

ABSTRACT OF THE DISCLOSURE

Urothelium is the specialised endothelium that lines much of the mammalian urinary tract. This invention relates to the field of *in vitro* urothelial culture. Previous methods produce tissue lacking much of the functionality of native urothelium. In this invention, stratified, differentiated mammalian urothelium is produced by passaging urothelial cells through a nutrient medium containing serum, and redispersed, before going on in a like medium to form said urothelium.